

**REMARKS**

By this Amendment, claims 1-5, 7, 8 and 13 are pending.

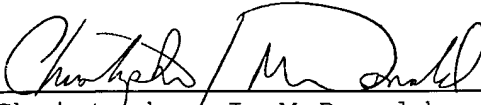
The courtesies extended to applicant's representative during the interview of March 21, 2005 are acknowledged with appreciation. During the interview, the depression 12 disclosed by Wolters, in the middle of the piston face and its role in forming a vortex, were discussed and compared to the depressions of the invention.

Wolters discloses a conventional reciprocating piston engine with intake and exhaust valves located at the top of the cylinder. The piston face forms the bottom of the cylinder and fuel injected through the fuel injection nozzle 8 forms a vortex shown by the arrow in Figure 1. The vortex extends in a vertical plane traveling between the top of the piston face and the top of the cylinder 2.12. The combustion chamber of the invention has a top and bottom formed by a pair of piston faces. Fuel is injected through the side wall of the cylinder. The depressions are formed in the edge of the piston face by the intake port and a vortex is created in a horizontal plane between the two piston faces. The differences between the structure of the combustion chambers of the invention and Wolters et al. necessitates a difference in the structure of the depressions used to create vortexes. Claim 1 has been amended to recite these differences. It is respectfully requested that the Amendment be entered and the claims allowed.

If any issues remain, and the Examiner believes a telephone conversation would resolve such issues, the Examiner is urged to contact the undersigned attorney.

If any fees are due and owing, the Commissioner is authorized to charge Deposit Account No. 08-2455.

Respectfully submitted,

by   
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